

L14 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2005:547272 CAPLUS <<LOGINID:20081211>>
 DOCUMENT NUMBER: 143:103191
 TITLE: Histone deacetylase inhibitors for treatment of
 neoplastic and inflammatory disorders
 INVENTOR(S): Bressi, Jerome C.; Gangloff, Anthony R.; Jennings,
 Andrew J.
 PATENT ASSIGNEE(S): Syrrx, Inc., USA
 SOURCE: U.S. Pat. Appl. Publ., 89 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20050137234	A1	20050623	US 2004-13234	20041214
WO 2005066151	A2	20050721	WO 2004-US42009	20041214
WO 2005066151	A3	20051222		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
 CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
 GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
 LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
 NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
 TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, SM
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
 EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,
 RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
 MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2003-531371P P 20031219

OTHER SOURCE(S): CASREACT 143:103191; MARPAT 143:103191

AB Histone deacetylase inhibitors and uses thereof are provided. Knowledge of the crystal structure of human histone deacetylase 8 (HDAC8) was used to guide the design of 114 chemical inhibitors. General synthetic schemes are also provided. The inhibitors are of use (no data) for treatment of various cancers, inflammation, inflammatory bowel disease, psoriasis, or transplant rejection.

IT 854714-23-1P 854714-31-1P 854714-40-2P
854714-42-4P 854714-44-6P 854714-46-8P
854714-48-0P

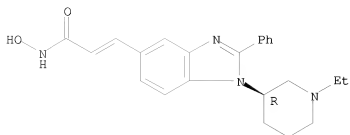
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (histone deacetylase inhibitors for treatment of neoplastic and inflammatory disorders)

RN 854714-23-1 CAPLUS

CN 2-Propenamide, 3-[1-[(3R)-1-ethyl-3-piperidinyl]-2-phenyl-1H-benzimidazol-5-yl]-N-hydroxy- (CA INDEX NAME)

Absolute stereochemistry.

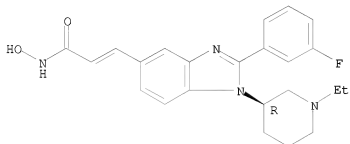
Double bond geometry unknown.



RN 854714-31-1 CAPLUS

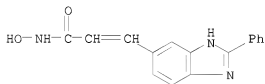
CN 2-Propenamide, 3-[1-[(3R)-1-ethyl-3-piperidinyl]-2-(3-fluorophenyl)-1H-benzimidazol-5-yl]-N-hydroxy- (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



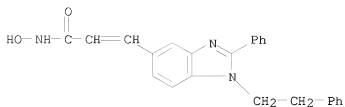
RN 854714-40-2 CAPLUS

CN 2-Propenamide, N-hydroxy-3-(2-phenyl-1H-benzimidazol-6-yl)- (CA INDEX NAME)



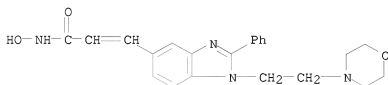
RN 854714-42-4 CAPLUS

CN 2-Propenamide, N-hydroxy-3-[2-phenyl-1-(2-phenylethyl)-1H-benzimidazol-5-yl]- (CA INDEX NAME)



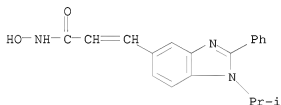
RN 854714-44-6 CAPLUS

CN 2-Propenamide, N-hydroxy-3-[1-[2-(4-morpholinyl)ethyl]-2-phenyl-1H-benzimidazol-5-yl]- (CA INDEX NAME)



RN 854714-46-8 CAPLUS

CN 2-Propenamide, N-hydroxy-3-[1-(1-methylethyl)-2-phenyl-1H-benzimidazol-5-yl]- (CA INDEX NAME)



RN 854714-48-0 CAPLUS

CN 2-Propenamide, N-hydroxy-3-[2-phenyl-1-[(1R)-1-phenylethyl]-1H-benzimidazol-5-yl]- (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry unknown.

